IN THE CLAIMS

1. (Currently Amended) Aluminium-magnesium alloy product for welded mechanical construction, having the following composition, in weight percent:

4.0 - 6.0 5.6 Mg Mn 0.4 - 1.2Zn 0.4 - 1.5Zr 0.25 max. Cr 0.3 max. Ti 0.2 max. Fe 0.5 max. Si 0.5 max. Cu 0.4 max. Sc 0.01 - 0.5; and impurities 0.05 max. each 0.15 max. total; and balance aluminium.

2. (Cancelled)

- 3. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mg content is in the range 4.6 to 5.6 wt.%.
- 4. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zn content is in the range of 0.4 to 0.9 wt.%.
- 5. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zn content is in the range of 0.5 to 0.9 wt.%.
- 6. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.05 to 0.25 wt.%.

- 7. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.05 to 0.20 wt.%.
- 8. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Zr content is in the range of 0.10 to 0.20 wt.%.
- 9. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.01 to 0.3 wt.%.
- 10. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.1 to 0.5 wt.%.
- 11. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Sc content is in the range of 0.1 to 0.3 wt.%.
- 12. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mn content is in the range of 0.4 to 0.9 wt.%.
- 13. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Mn content is in the range of 0.6 to 0.9 wt.%.
- 14. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Fe content is in the range of 0.15 to 0.35 wt.%.
- 15. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Fe content is in the range of 0.20 to 0.30 wt.%.
- 16. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Si content is in the range of 0.07 to 0.25 wt.%.

- 17. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Si content is in the range of 0.10 to 0.20 wt.%.
- 18. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Cr content is 0.15 wt.% max.
- 19. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the Cu content is 0.1 wt.% max.
- 20. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, wherein the product is provided in the form of a rolled product or an extruded product.
- 21. (Previously Presented) Aluminium-magnesium alloy product according to claim 1, having a temper selected from O- temper and a work-hardened temper.
- 22. (Previously Presented) Welded structure comprising at least one welded plate or extrusion made of aluminium-magnesium alloy product according to claim 1.
- 23. (Previously Presented) Welded structure according to claim 22, wherein the proof strength of the weld of said welded plate or extrusion is at least 140 MPa.
- 24. (Previously Presented) Welded structure according to claim 22, having an improved resistance to exfoliation when sensitised for at least 10 days at 120°C.
- 25. (Previously Presented) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and when sensitised in O temper for 20 days at 120°C.
- 26. (Previously Presented) Welded structure according to claim 22, having an exfoliation resistance of PA or better in an ASSET test in accordance with ASTM G66 and

when sensitised in a work hardened temper for 16 days at 100°C.

- 27. (Previously Presented) Welded structure according to claim 22, wherein the welded structure is a marine vessel.
- 28. (Previously Presented) Welded structure according to claim 22, wherein the welded structure is a container for land transportation.
- 29. (Withdrawn) A method of use of an aluminium-magnesium alloy product according to claim 1, comprising exposing the product to an operating temperature greater than 80°C.
- 30. (Previously Presented) Aluminium-magnesium alloy product for welded mechanical construction, consisting of, in weight percent:

Mg 4.0 - 5.6

Mn 0.4 - 1.2

Zn 0.4 - 1.5

Zr 0.25 max.

Cr 0.3 max.

Ti 0.2 max.

Fe 0.5 max.

Si 0.5 max.

Cu 0.4 max.

Sc 0.01 - 0.5, and

impurities

0.05 max. each

0.15 max. total; and

balance aluminium.